Index of Claims

Application No.

10/050,552

Examiner

Nashaat T. Nashed, Ph. D.

Applicant(s)

NAGEM ET AL.

Art Unit

1652

√ Rejected
= Allowed

(Through numeral)
Cancelled

Restricted

Non-Elected
I Interference

A Appeal
O Objected

|               |  |  | <b>-</b>  |            |          | _ |          | J                       |  | Ц.           |          |
|---------------|--|--|-----------|------------|----------|---|----------|-------------------------|--|--------------|----------|
| Cla           | aim  |  | _         |            |          | C | at       | e                       |  |              |          |
| Final         | Original   | 7/8/04                                       |           |            |          |   |          |                         |  |              |          |
|               | 1  |  |           |            |          | T |          |                         |  |              |          |
|               | 2  |  |           |            |          | Ī |          |                         |  |              |          |
|               | 3  |  |           | <u> </u>   |          | 1 |          |                         |  | L            |          |
|               | 4  | _  | _         | ļ          | L        | 1 |          |                         | <u> </u>   | _            | Ш        |
|               | 5_   | ١,   |           | <u>L</u> . | ↓.       | 4 |          |                         | 1_   | ↓_           | $\perp$  |
| ļ             | 6  | 1  |           | ļ          | -        | + |          |                         | -  | ╁            | Н        |
|               | 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8               | V  |           | H          | ╁        | + | _        |                         | ┼  | +            | $\vdash$ |
|               | 9  | 1  | _         | -          | ┢        | + |          |                         |  | ╁            | $\vdash$ |
|               | 10   | <u>                                     </u> |           | -          | -        | t | _        |                         | <del>                                     </del> | 1            | H        |
|               | 11   | 1  |           | _          | 1        | + |          |                         | <del>                                     </del> | t            | H        |
|               | 12   |  |           |            |          | Ť |          |                         | 1  | T            |          |
|               | 10<br>11<br>12<br>13<br>14<br>15<br>16<br>17<br>18 |  |           |            |          | Ī |          |                         |  | Γ            | П        |
|               | 14   |  |           |            |          | I |          |                         |  | L            |          |
|               | 15   | √  |           | <u></u>    | L        | 1 |          |                         |  | L            |          |
|               | 16   | Ш  | _         |            | L        | 1 | 4        |                         | ١  | _            | Ш        |
|               | 17   |  |           |            | L        | 1 | 4        |                         | _  | ļ            | $\perp$  |
|               | 18   | Н  |           |            | -        | ╀ | _        |                         |  | ┢            | Н        |
|               | 20   | -  |           |            | $\vdash$ | + | $\dashv$ |                         | _  |              | $\vdash$ |
| -             | 21   | $\vdash$                                     | -         | _          | -        | t | $\dashv$ |                         |  | -            | $\vdash$ |
|               | 22   | H  | -         |            | -        | t | $\dashv$ |                         |  |              | Н        |
|               | 21<br>22<br>23                                     | 1  |           |            |          | t | 7        | _                       | -  | -            | $\vdash$ |
|               | 24   |  |           |            |          | T |          |                         |  |              | П        |
|               | 25   |  |           |            |          |   |          |                         |  |              | П        |
|               | 26   |  |           |            |          | L |          |                         |  |              |          |
|               | 24<br>25<br>26<br>27<br>28                         |  | _         |            |          | L |          |                         |  |              | Щ        |
|               | 28   | $\Box$                                       | _         |            |          | Ļ | 4        |                         |  |              | Щ        |
|               | 29<br>30   | -  | 4         |            |          | H | $\dashv$ | _                       |  | اسا          | 4        |
|               | 31   | $\vdash$                                     | -         |            |          | ┝ | +        |                         | -  |              | $\vdash$ |
|               | 32   |  | $\dashv$  |            |          | ┝ | +        | $\dashv$                |  |              | -        |
| $\neg$        | 32<br>33   |  |           |            |          | t | 7        |                         |  |              | -        |
|               | 34   |  |           |            | _        | T | 7        | $\exists$               |  |              |          |
|               | 35   |  |           |            |          |   |          |                         |  |              |          |
|               | 36   | _  |           |            |          |   | I        |                         |  |              |          |
|               | 37   | _  | _         | _          |          |   | _        |                         |  | $\perp$      |          |
|               | 38   |  | 4         | $\dashv$   |          | L | 4        | 4                       |  |              |          |
|               | 39   | $\dashv$                                     | _         | -1         |          | - | 4        | -                       | _  |              | _        |
|               | 40<br>41   | $\dashv$                                     | 4         | $\dashv$   |          | H |          | $\dashv$                |  | -            | -        |
|               | 42   | -+   | $\dashv$  | $\dashv$   |          | H | +        | $\dashv$                |  |              |          |
|               | 43   | $\dashv$                                     | +         | $\dashv$   | -        | - | 十        | +                       | -  | $\dashv$     | $\dashv$ |
|               | 44   | _  | $\forall$ | _          |          |   | $\top$   | +                       | $\dashv$   | _            | $\dashv$ |
|               | 45   |  | 7         | $\exists$  |          | Г | $\top$   | 7                       | $\dashv$   |              |          |
|               | 46   | $\Box$                                       |           |            |          |   | I        | J                       | ╛  |              |          |
| $-\downarrow$ | 47   |  | $\bot$    | $\prod$    |          |   | Ţ        | $oldsymbol{\mathbb{I}}$ |  |              |          |
|               | 48   | $\dashv$                                     | 4         | _          | _        | _ | 1        | 1                       |  | $\downarrow$ | _        |
|               | 49   | -  | $\dashv$  | _          | _        |   | 4        | $\downarrow$            | _  | $\dashv$     | _        |
|               | 50   | $\perp$                                      | $\perp$   |            |          |   |          | ┙                       |  |              |          |

| CI       | aim      | Т        |          |          |              | _        |          |          |         |         |           |
|----------|----------|----------|----------|----------|--------------|----------|----------|----------|---------|---------|-----------|
| Claim    |          | ╁        | Т        | 1        |              | Τ.       | T        | te.      |         | -       |           |
| <u></u>  | Original |          |          |          |              | ĺ        |          |          |         |         |           |
| Final    | j.       | İ        |          | -        |              | ļ        | ı        | ı        |         |         |           |
| -        | ō        | 1        | i        | ı        |              |          |          |          |         |         |           |
|          | 51       | ╁        | +        | +        | _            | +        | +        | +        |         | +       | +         |
|          | 52       | +-       | +        | $\dashv$ |              | ╁        | +        | +        | +       | +       | +         |
| -        | 53       | +        | +        | +        | -            | t        | +        | +        |         | +       | +         |
|          | 54       | ╁╌       | +        | +        |              | +        | ╁        | +        | ╁       | +       | +         |
| <u> </u> | 55       | ╁╌       | +        | +        | _            | H        | +        | +-       | ╅       | +       | +         |
|          | 56       | ╁        | ╁        | +        |              | ╁╴       | ╁        | +        | +       | +       | +         |
|          | 57       | t        | t        | +        | _            | ╁╌       | +        | +        | +       | +       | +         |
|          | 58       | 1        | T        | 7        |              | $\vdash$ | 1-       | +        | +       | $\top$  | +         |
|          | 59       | T        | T        | T        |              | T        | $\top$   | $\top$   | +       | _       | $\top$    |
|          | 60       |          | T        | 1        |              | T        | 十        | 1        |         | _       | 十         |
|          | 61       |          | T        | T        |              | Г        | $\top$   | $\top$   | 十       | $\top$  | $\top$    |
|          | 62       | Ī        | Τ        | T        |              |          | 1        | T        |         | $\top$  | T         |
|          | 63       | Γ        | Ι        |          |              |          | Ι        |          |         |         | ╗         |
|          | 64       |          | Γ        |          |              |          |          | Ι        | Ī       | ]       | T         |
|          | 65       |          | Γ        | Т        |              |          |          | 1        |         | T       | T         |
|          | 66       |          | L        | I        |              |          |          | Γ        | Ι       | I       |           |
|          | 67       |          |          |          |              |          | 1        |          | Τ       |         |           |
|          | 68       |          | L        | $\perp$  | _            |          |          |          | $\perp$ |         |           |
|          | 69       | L        | L        | l        |              |          |          | $\perp$  | $\perp$ |         |           |
|          | 70       |          | L        | $\perp$  |              | L        | _        |          |         | $\perp$ |           |
| -        | 71       |          | L        | 1        |              |          |          | L        | ↓_      |         |           |
|          | 72       | L.       | L        | 1        |              | L        | 1_       | L        | ┸       |         | ╽.        |
|          | 73       |          | L        | 1        |              |          | _        | $\perp$  | 1       | 1       | _         |
| <u> </u> | 74<br>75 | L.,      | -        | +        |              | _        |          | ╀        | $\perp$ | 1       | _         |
|          | /5       | ļ        | -        | +        |              |          | ļ        | $\perp$  | _       | $\perp$ | $\bot$    |
| $\vdash$ | 76       |          | ⊢        | +        |              | _        | ╁        | ╄        | - -     | -       | -         |
|          | 77<br>78 | -        | ┝        | +        | _            |          | ↓        | ╀        | +-      | ╀       |           |
|          | 79       | <u> </u> | -        | ╁        |              | _        | <u> </u> | ╁        | +       | +       |           |
| $\vdash$ | 80       | -        | $\vdash$ | ╀        | _            |          | -        | ╀        | ╀       | +       | +         |
| $\vdash$ | 81       |          | -        | +        | _            |          | ⊢        | +-       | ╁       | +-      | +         |
| $\vdash$ | 82       | -        | -        | ╁        | -            | _        | $\vdash$ | +        | +-      | +-      | +         |
| 1        | 83       |          |          | ╁        |              |          | $\vdash$ | ╁┈       | +       | +       | +         |
|          | 84       |          | $\vdash$ | $^{+}$   | $\dashv$     |          | ╁        | ╁╌       | ╁       | ┰       | +         |
|          | 85       | -        | $\vdash$ | +        | $\dashv$     | _        | $\vdash$ | H        | ╁╴      | +       | +         |
| $\vdash$ | 86       |          | -        | t        | +            | _        | $\vdash$ | $\vdash$ | +       | +       | +         |
|          | 87       |          |          | †-       | 1            |          |          | †-       | 十       | +       | +-        |
|          | 88       |          | 1        | †        |              | _        | $\vdash$ | T        | T       | T       | +         |
|          | 89       |          | Г        | T        | 1            | _        | $I^-$    | †        |         | +       | +         |
|          | 90       |          |          |          | 1            |          |          |          | T       |         | $\top$    |
|          | 91       |          |          |          | 1            |          |          | T        | Τ       | Τ       | 1         |
|          | 92       |          |          | Γ        |              |          |          |          |         |         | T         |
|          | 93       |          |          |          |              |          |          |          |         |         | $oxed{L}$ |
|          | 94       |          |          |          | J            |          |          |          |         | L       | $\prod$   |
|          | 95       |          |          | Ĺ        | I            |          |          |          |         |         |           |
|          | 96       |          | _        |          | I            |          |          |          |         | L       |           |
|          | 97       |          |          | L        | $\downarrow$ |          |          |          | L       |         |           |
|          | 98       | _        |          | L        | $\downarrow$ |          |          | _        | L       | _       |           |
| <b>_</b> | 99       | _        |          | L        | $\downarrow$ |          |          | ļ        | L       | L       | _         |
|          | 100      |          | _        | L        |              |          |          | L_       | L_      |         | 1         |
|          |          |          |          |          |              |          |          |          |         |         |           |

| CI             | Τ   | _              |          |             | Da           | ite          |                   |              |                 |              |
|----------------|---|----------------|----------|-------------|--------------|--------------|-------------------|--------------|-----------------|--------------|
|                | Ĭ .   | 1              | T        | Τ           | Т            | Τ            | Т                 | Τ            | Т               | T            |
| Final          | Original                                      | ŀ              |          |             |              |              |                   |              |                 |              |
| iĒ             | į   | Ì              |          |             | ı            |              |                   |              | 1               | -            |
|                |   |                |          |             |              |              | İ                 |              |                 | 1            |
|                | 101   | _              |          |             |              |              | $\perp$           |              |                 |              |
| <u></u>        | 102<br>103                                    | ↓_             | L        | ┸           | ┸            | $\perp$      | ⊥_                |              |                 |              |
|                | 103   | _              | $\perp$  | 4.          | 1            | ┸            |                   | 1            | L               |              |
|                | 104<br>105                                    | _              | 1        | 4           | 1            | $\perp$      |                   |              | 4_              |              |
|                | 105   | ↓_             | ╄        | ╀-          | +-           | $\bot$       | - -               | 4.           | $\perp$         | <u> </u>     |
| -              | 106<br>107                                    | ┼-             | ┼-       | _           | $\perp$      | +            | +-                | +            | -               | 1            |
|                | 107   | <del> </del>   | +        | +-          | +-           | +            | +-                | +-           | +               | <del> </del> |
|                | 109   | -              | ╁        | ╁           | +            | +            | +-                | +-           | +-              | +            |
|                | 110   | <del>  -</del> | ╁        | ╁           | +-           | ╁            | +                 | +-           | ╁               | ╁            |
| _              | 110<br>111                                    | $\vdash$       | ┢        | ╁           | +            | +            | +-                | +            | +               | +            |
| <u> </u>       | 112   | <del>  -</del> | +        | T           | +            | +-           | +-                | +            | +-              | +            |
|                | 113   | <del> </del>   | T        | +-          | +            | +-           | ╁                 | +            | +-              | +            |
|                | 114   |                | T        | T           | +            | +            | +-                | +            | +               | † – †        |
|                | 113<br>114<br>115                             | T              | Т        | +           | 1-           |              | †                 | +-           | +-              | $\Box$       |
|                | 116   |                | 1        | $\top$      | $\top$       | $\top$       | 1                 | T            | +-              | +            |
|                | 117   |                |          | 1           | T            | 1            | T                 |              | Τ-              | $\Box$       |
|                | 118   |                |          |             |              |              |                   |              |                 |              |
|                | 116<br>117<br>118<br>119                      |                |          |             |              | $oxed{\Box}$ |                   |              |                 |              |
|                | 120<br>121<br>122<br>123<br>124<br>125<br>126 |                |          |             |              | ┸            |                   |              |                 |              |
|                | 121   | _              | L        | 1_          | _            | _            | 1                 |              | ↓               | Ш            |
|                | 122   | _              | L        | <b> </b> _  | 1            | <u> </u>     | ↓_                | <u> </u>     | _               |              |
|                | 123   |                |          | <u> </u>    | _            | $\downarrow$ | 1                 | 1_           | ↓_              |              |
|                | 124   |                | L        | -           | ╀            | ┼            | ╀                 | -            | $\vdash$        |              |
|                | 120   |                | $\vdash$ | <del></del> | -            | ╁            | ╄                 | -            | 1               | Н            |
| -              | 127   |                | -        | $\vdash$    | +-           | +            | ╁                 | ┾┈           | -               |              |
| <del></del> -+ | 127<br>128<br>129                             |                | ١        | $\vdash$    | +            | ╁            | $\vdash$          | ┼            | ├               | $\vdash$     |
|                | 129   |                |          | ┢           | ╁╌           | +            | +                 | ┼            | ┝╌              | Н            |
|                | 130   |                |          | ╁           | ╁╌           | +-           | $\vdash$          | $\vdash$     | $\vdash$        | Н            |
|                | 130<br>131                                    |                | -        | 1-          |              | $\vdash$     | +                 | <b>†</b>     |                 | $\vdash$     |
|                | 132<br>133                                    | _              | _        | $\vdash$    | T            | 1            |                   | T            | 1               | Н            |
|                | 133   |                |          | T           |              | <u> </u>     |                   |              | $\vdash$        | Н            |
|                | 134 I   |                |          |             |              | Γ            |                   |              |                 |              |
|                | 135<br>136                                    |                |          |             |              |              |                   |              |                 |              |
|                | 136   |                |          |             | L            | $\Box$       |                   |              |                 |              |
|                | 137   |                |          | L.          | <u> </u>     | _            |                   |              |                 | Ш            |
|                | 138<br>139                                    | _              |          | L           | ļ            | <u> </u>     | <u> </u>          | L.           | L               | Щ            |
|                | 139   | _              |          |             |              |              | <b>!</b>          | _            |                 | Ш            |
|                | 140   |                |          | _           | $\vdash$     | <u> </u>     | Ļ                 | <u> </u>     | <u> </u>        | $\dashv$     |
|                | 141   |                |          | <u> </u>    | <del> </del> | $\vdash$     |                   | ├—           | Н               | -            |
| $\dashv$       | 143   |                |          |             | $\vdash$     | -            | -                 | <del> </del> | $\vdash$        | $\dashv$     |
| $\dashv$       | 144   |                |          |             | -            | $\vdash$     | $\vdash$          |              | $\vdash$        | $\dashv$     |
|                | 145   | $\dashv$       |          | _           | <del> </del> | $\vdash$     |                   | <del> </del> | $\vdash \vdash$ | $\dashv$     |
| $\dashv$       | 146   | ┪              | -        | _           | $\vdash$     | <del> </del> | $\vdash$          | $\vdash$     |                 |              |
| +              | 147   | -              | _        | -           | -            |              | $\vdash$          | $\vdash$     | $\vdash$        | $\dashv$     |
|                | 148   | $\dashv$       |          |             | -            | $\vdash$     |                   |              |                 |              |
|                | 149   | 7              | ٦        |             |              |              |                   | $\vdash$     | -†              | $\neg$       |
|                | 150   | $\dashv$       |          |             |              | -            | $\vdash$ $\vdash$ | $\neg$       |                 | $\dashv$     |
|                |   |                |          |             | _            | _            |                   |              |                 |              |